

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	139	((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near2 (model\$3)) and 382/145,147, 151,154.ccls. and ((edit\$3 or select\$3) with (line or segment))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 13:44
L7	5	((edit\$3 or modif\$4 or chang\$3) with (parameter or wiring)) same (display\$3 or monitor or screen) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near2 (model\$3)) same (semiconductor or semi-conductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 13:47
L8	7	((edit\$3 or modif\$4 or chang\$3) with (parameter or wiring or line or segment)) same (display\$3 or monitor or screen) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near2 (model\$3)) same (semiconductor or semi-conductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 13:47
L11	38	(edge near2 detect\$3) and 382/145, 147,151,154.ccls. and ((sobel or prewitt or roberts or hough) near2 (transform or transformation)) and threshold	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 14:20
L12	17	(edge near2 detect\$3) and 382/145, 147,151,154.ccls. and ((sobel or prewitt or roberts or hough) near2 (transform or transformation)) and threshold and (semiconductor or semi-conductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 14:39
L16	4	(edge near2 detect\$3) and (line near4 (trac\$3 or thinning) same (coordinate or position)) and 382/145,147,151,154.ccls. and (sobel or prewitt or roberts or hough)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 14:48
L17	3	(edge near2 detect\$3) and (line near4 (trac\$3 or thinning) same (coordinate or position) same (database or memory)) and 382/145,147,151,154.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 14:51
L18	18	(edge near2 detect\$3) and (line near4 (trac\$3 or thinning) same (coordinate or position)) and 382/145,147,151,154.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 18:19

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L21	2	((zhang adj suen) or stentiford) with skeletoniz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 14:58
L23	18	(US-20050226521-\$ or US-20030055612-\$ or US-20050078861-\$ or US-20030084409-\$).did. or (US-6847728-\$ or US-6775404-\$ or US-6757445-\$ or US-5038285-\$ or US-6288393-\$ or US-6230304-\$ or US-6132376-\$ or US-7133551-\$ or US-5694481-\$ or US-6683316-\$ or US-6014473-\$ or US-6151404-\$ or US-6330354-\$ or US-5272763-\$). did.	US-PGPUB; USPAT	OR	ON	2007/07/20 18:39
L25	4	L23 and ((operator or user) same (threshold))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 18:40
L26	8	L23 and ((threshold))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 18:40
S1	1	LACHANCE-ALEXANDER-R.in. or BLAXELL-ZYGO.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:07
S2	187	mosaic and (virtual with reference)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:08
S3	122	mosaic and (virtual with reference) and (3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:10
S4	19	mosaic and (virtual with reference) and (3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) and (line with detect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:11
S5	13	mosaic and (virtual with reference) and (3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) and (line with detect\$3) and (semi-conductor or semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:18
S6	1	us-20030084409-\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 11:15
S7	1	("2003/0084409").URPN.	USPAT	OR	ON	2007/07/17 11:17

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S8	7	mosaic and ((3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) and (line with detect\$3) with model) and (semi-conductor or semiconductor) and (layer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:23
S11	6	((3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) with model) and (semi-conductor or semiconductor) and ((layer) same (line or segment)) and 382/144-154.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 18:52
S12	28	((3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) with model) and ((layer) same (line or segment)) and 382/144-154.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:50
S13	6	("20020061131" "5109425" "6046763" "6430304" "6490364" "6664962").PN. OR ("6847728").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 19:08
S16	1	("2003/0084409").URPN.	USPAT	OR	ON	2007/07/17 19:27
S17	19	((3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d) with model) and ((layer) same (line or segment)) and 716/1,7,8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:26
S19	81	mosaic and ((line or segment) near4 extract\$3) and (semiconductor or semi-conductor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:55
S21	19	((3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with model\$3) and (semiconductor or semi-conductor) and ((line or segment) near4 (extract\$3 or detect\$3)) and (coordinate or position) and align\$4 and (virtual or reference) and "382".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:59
S23	11	mosaic and ((3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with (model\$3)) and (layer with (semi-conductor or semiconductor))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:55

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S24	165	mosaic same (layer with (semi-conductor or semiconductor))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:07
S25	189	mosaic and ((3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with model\$3) and ((line or segment) same (coordinate or position)) and ((virtual or reference) same (align\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:09
S26	620	(382/151).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/18 17:42
S27	1791	(382/154).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/18 17:42
S28	20	S26 and S27	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:46
S29	92	(slice or layer) near3 align\$4 with line with point	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:48
S30	2	(slice or layer) near3 align\$4 with (line near (between or connect\$4) near (layer or slice))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:48
S31	2	S29 and "382"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 17:49
S32	4	(3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with model\$3 with (semiconduct?r or semi-conduct?r) with layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:02
S33	10	(3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with model\$3 same (semiconduct?r or semi-conduct?r) with layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:03
S34	6	S33 not S32	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:03
S35	1761	(3d or three-dimensional or 3-dimensional or "3 dimensional" or "three dimensional") with model\$3 and (wafer or semiconduct?r or semi-conduct?r or circuit) same layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:04

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S37	97	S35 and (align\$5 or register\$4 or registration) near3 layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:06
S38	2	S35 and (((align\$5 or register\$4 or registration) near3 layer) with image)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:51
S39	26	(line same (semiconduct?r or wafer) same layer same align\$4 same image).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:12
S40	1	S39 and "382"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:10
S41	6	((three near dimension\$3 or 3d) same (semiconduct?r or wafer) same layer same align\$4 same image).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:14
S42	10	((three near dimension\$3 or 3d) near2 model) same (semiconduct?r or wafer).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:15
S43	2	stansby-neal.in. or klibanov-lev.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:53
S44	18	chipworks	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:54
S45	15	S44 and (align\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:56
S46	68	"5086477"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 18:56
S47	45	("4553260" "4623255" "4639301" "4673101" "4698236" "4699555" "4711438" "4748675" "4766516" "4777372" "4783829" "4791586" "4874947" "4943732" "4976843" "5008537" "5034612" "5050222" "5086477" "5103102" "5118941" "5155368" "5163005" "5187754" "5188705" "5191213" "5199159" "5214718" "5241182" "5329162" "5335298" "5376791" "5392222" "5399441" "5435850" "5502306" "5541411" "5559718" "5561293" "5578821" "5616921" "5694481" "5821549").PN. OR ("6288393"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:04

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S48	30	("4790027" "4791586" "5086477" "5191213" "5222158" "5224178" "5463561" "5465163").PN. OR ("5694481").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:19
S54	205	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and (align\$4 with (layer or point or line)) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:34
S55	2	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and (align\$4 with (layer) with (point or line)) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:35
S56	259	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and (align\$4 near3 (layer or image or point or line)) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:36
S57	37	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and (align\$4 near3 (layer or image or point or line)) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3) and mosaic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:44
S58	9	("5686960" "5732230" "6009190" "6157747" "6256036" "6340974" "6377278" "6393163" "6396491").PN. OR ("6819318").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:40
S59	21	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and (align\$4 near3 (layer or image or point or line) with vertical\$2) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:48

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S61	23	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment) with vertical\$3) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:06
S62	162	((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment) with vertical\$3) and ((3-d or 3d or three-dimensional or 3-dimensional or "three dimensional" or "3 dimensional") near3 model\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:55
S64	139	S62 not (S61 or S59)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 19:56
S66	95	(382/151,154,145,294,128,131.ccls. or 348/95.ccls. or 250/307,309.ccls. or 703/1.ccls. or 716/1,7,8.ccls.) and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment) with vertical\$3) and model\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:10

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S67	188	("3640271" "3888238" "4140022" "4219811" "4241608" "4244026" "4459853" "4580219" "4635293" "4712037" "4841977" "4917097" "4937775" "4947852" "4972199" "5000185" "5014710" "5040537" "5064290" "5070879" "5081993" "5103129" "5107844" "5111823" "5115809" "5123415" "5127409" "5135000" "5156154" "5158071" "5159931" "5161537" "5186176" "5186177" "5190766" "5195520" "5197477" "5199437" "5211176" "5215093" "5215680" "5219401" "5233994" "5255683" "5257629" "5273045" "5285788" "5287753" "5313948" "5315512" "5320105" "5325860" "5327895" "5343867" "5345940" "5349262" "5353354" "5358466" "5368037" "5377682" "5379642" "5380411" "5381067" "5384594" "5386830" "5396285" "5398691" "5402793" "5409688" "5410205" "5410516" "5417213" "5417214" "5425366" "5433207" "5435311" "5438554" "5443071" "5456255" "5456257" "5456259" "5469849" "5469851" "5471988" "5471990" "5474073" "5479926" "5482046" "5487388" "5492125" "5497776" "5503153" "5515853" "5517537" "5523058" "5526816" "5529070" "5531224" "5538004" "5540909" "5558091" "5558092" "5560364" "5566674" "5568813" "5570691" "5575286" "5575290" "5577505" "5579768" "5579770" "5580575" "5582173" "5588435" "5590659" "5601085" "5601086" "5606975" "5608690" "5608849" "5612713" "5617862" "5628322" "5632277" "5655535").PN. OR ("5678554" "5696737" "5699805" "5704361" "5713363" "5724976" "5724978" "5735281" "5776067" "5797849" "5876342" "5891039" "5899861" "Re30397").PN. OR ("6014473").	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:10
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S69	1	S67 and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment)) with vertical\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:17
S70	83	("4484292" "4615011" "4949275" "5046017" "5047949" "5065355" "5072402" "5191542" "5245550" "5249134" "5341310" "5361214" "5394337" "5404312" "5452239" "5461576" "5471398" "5483461" "5485396" "5537330" "5590050" "5598347" "5625568" "5629860" "5633806" "5636129" "5638288" "5649170" "5654898" "5657241" "5657242" "5663892" "5666288" "5675501" "5682323" "5689433" "5715171" "5729469" "5737237" "5745373" "5757658" "5761078" "5764525" "5764530" "5764532" "5764534" "5768146" "5774371" "5778216" "5838583" "6102964").PN. OR ("6230304"). URP.N.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:17
S71	1	S70 and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment)) with vertical\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:17
S72	6	S70 and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 20:18
S73	25	382/128,130,131.ccls. and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment) with vertical\$3) and (3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/19 10:53
S74	7	382/128,130,131.ccls. and ((align\$4 or registrat\$4 or readjust\$4 or re-adjust\$4 or adjust\$4) near3 (layer or image or point or line or segment) with vertical\$3) same (3-dimensional or three-dimensional or "3 dimensional" or "three dimensional" or 3d or 3-d)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/19 10:43

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S75	15	(US-20050226521-\$ or US-20030084409-\$ or US-20050078861-\$ or US-20030055612-\$).did. or (US-6683316-\$ or US-6847728-\$ or US-7133551-\$ or US-6757445-\$ or US-6775404-\$ or US-5038285-\$ or US-5694481-\$ or US-6288393-\$ or US-6014473-\$ or US-6132376-\$ or US-6230304-\$).did.	US-PGPUB; USPAT	OR	ON	2007/07/19 11:24
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J Rupard - unf.edu

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Zhang-Suen Thinning • Holt Thinning – Holt staircase removal Page 22. ...

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S Ahn, NL Doh, WK Chung - nt.ntnu.no

 ... To extract the LVD, we choose a skeletonization algorithm based on the **Zhang Suen-Stentiford-Holt** combined algorithm (Parker, 1997). ...

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BR Okombi-Diba, J Miyamichi, K Shoji - Pattern Recognition, 2002. Proceedings. 16th International ..., 2002 - doi.ieeecomputersociety.org

 ... above described thinning artifacts, images were preprocessed using a method suggested by **Stentiford** [11], before feeding them to the **Zhang-Suen's** algorithm. ...

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HJ Lin, KC Chen, SH Yen - dsp.space.lib.fcu.edu.tw

 ... We have employed several commonly used thinning methods, such as **Stentiford** Method [9], Parker and Hold Method [4], and **Zhang-Suen** Method [10], to process our ...

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 ... region. This system uses the **Zhang-suen/Stentiford/Holt** combined algorithm for thinning binary regions [22]. 7.4 Width Normalization ...

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... implementation based on the merging of those three methods in the following order:

Stentiford's preprocessing scheme feeding images into **Zhang-Suen's** basic ...

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AR LaChance, Z Blaxell - 2005 - freepatentsonline.com

... thinning procedure comprises applying an algorithm derived from at least one of a **Zhang Suen** skeletonizing algorithm, and a **Stentiford** skeletonizing algorithm. ...

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T Algorithms - iam.unibe.ch

... binären mb2 Algorithmus. 2.2.4 Zusätzliche Arbeiten: Graustufen Versionen für Rosenfeld, **Stentiford** und **Zhang Suen**. Das Problem mit ...

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